



**Product:** [8456](#)

Electronic, 10 C #22 Str TC, PVC Ins, PVC Jkt, CMG

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## Product Description

Electronic, 10 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	22	7x30	TC - Tinned Copper	10

Conductor Count:	10
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#### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in

#### Color Chart

Color
Black
White
Red
Green
Brown
Blue
Orange
Yellow
Purple
Gray

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.264 in	0.032 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
15.6 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
34 pF/ft

#### Inductance

**Nominal Inductance**

0.17 µH/ft

**Current****Max. Recommended Current [A]**

2.1 Amps per conductor @ 25°C

**Voltage****UL Description** **UL Voltage Rating**

CMG 300 V RMS

UL AWM 2576 150 V RMS

**Temperature Range**

UL Temp Rating: 80°C (UL AWM Style 2576)

Operating Temp Range: -20°C To +80°C

**Mechanical Characteristics**

Bulk Cable Weight: 41 lbs/1000ft

Max Recommended Pulling Tension: 88 lbs

Min Bend Radius/Minor Axis: 2.75 in

**Standards**

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

UL AWM Style: UL Style 2576 (150 V 80°C)

CSA AWM Specification: FT4

CPR Euroclass: Eca

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Part Number****Variants**

Item #	Color	Putup Type	Length	UPC
8456 060100	Chrome	Reel	100 ft	612825207931
8456 060500	Chrome	Reel	500 ft	612825207955
8456 060U500	Chrome	UnReel	500 ft	612825207924
8456 0601000	Chrome	Reel	1,000 ft	612825207948
8456 060U1000	Chrome	UnReel	1,000 ft	612825207917
8456 0605000	Chrome	Reel	5,000 ft	612825207962

Footnote: C - CRATE REEL PUT-UP.

**History**

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